## ABSTRACT OF THE DISCLOSURE

A storage data reconstruction system including: a plurality of storage units for storing therein striped data, the plural independent storage units forming a set; dises for storing therein ECC data corresponding to the striped data; a spare storage unit for storing therein, the reconstructed data; an I/Oreconstruction control circuit; a timer; a data reconstructing table for the storage unit, at fault; and a circuit for reconstructing faulty data. When a failure occurs in any of the storage units, the failure is detected by an error check, a state of the failure is discriminated, the preferred processing suitable for the state of the failure is selected out of processing of normal access or read/write, and data reconstruction processing, and the selected processing is carried but, or the processing, or the frequency of the processing of the normal access or read/write and the data reconstruction processing, or amount of the data reconstruction processing within a unit time, the ratio of the processing amount is set. The time taken to reconstruct the faulty data does not exceed a fixed period of time.

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